

Converting Colors

XYZ(108.7510, 139.9394,
107.5076)

Have a look what the booklet for
XYZ(108.7510, 139.9394, 107.5076)
contains.

XYZ(86.8335, 95.9454, 100.3289) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(86.8335, 95.9454,
100.3289)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFF5
RGB	236, 255, 245
RGB Percent	93%, 100%, 96%
CMY	0.0745, 0.0000, 0.0392
CMYK	0.07, 0.00, 0.04, 0.00
HSL	148°, 100%, 96%
HSV	148°, 7%, 100%
XYZ	86.8335, 95.9454, 100.3289
YIQ	248.1790, -8.1140, -7.1380

Conversions

Conversions Part 2

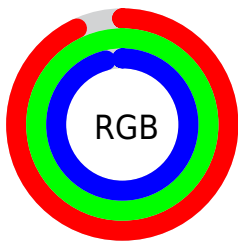
Format	Color
R _Y B	236, 249, 255
Decimal	15532021
CIE Lab	98.41, -7.99, 2.64
CIE LCh	98, 8.413, 161.707
Yxy	95.9454, 0.3067, 0.3389
Android (android.graphics.Color)	4293722101 (0xFFE0FFF5)
YUV	248.1790, -1.5672, -10.6810
Hunter-Lab	97.9517, -13.1765, 7.8373

Details

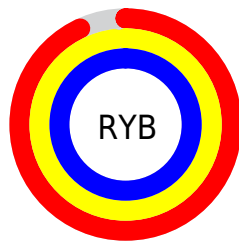
The XYZ color **86.8335, 95.9454, 100.3289** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.8705, 87.9058, 99.5250**, and the grayscale version is **89.3862, 94.0413, 102.4109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2018, 53.7656, 55.9814** is the 20% darker color. If you saturate the color by 10%, you get **76.9876, 91.0979, 89.5589**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

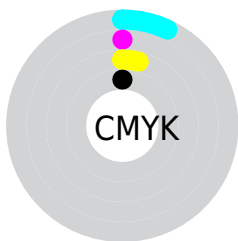
Distribution



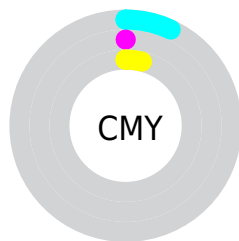
- Red (93%)
- Green (100%)
- Blue (96%)



- Red (93%)
- Yellow (98%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.8335, 95.9454, 100.3289 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 86.8335, 95.9454, 100.3289 by changing the saturation by 10% instead.


 86.8335, 95.9454,
100.3289

 86.8335, 95.9454,
100.3289


506.0684,
547.1872, 582.5023

 65.6850, 72.9221,
75.9568


141.8329,
155.5701, 163.6649

 48.2835, 53.9123,
55.8907

176.4145,
192.9402, 203.4659

 34.2636, 38.5315,
39.7119


216.2045,
235.8614, 249.2470

 23.2601, 26.3955,
27.0019

261.5683,
284.7181, 301.4267

 14.9074, 17.1197,
17.3422

312.8713,
339.8946, 360.4235

 8.8403, 10.3199,
10.3142

370.4787,

 4.6934, 5.6116,

401.7753, 426.6561

5.4995

434.7559,
470.7447, 500.5428

■ 2.1014, 2.6104,
2.4794

■ 0.6900, 0.9319,
0.8292

■ 86.8335, 95.9454,
100.3289

■ 86.8335, 95.9454,
100.3289

■ 76.9876, 91.0979,
89.5589

95.0500, 100.0000,
108.9000

■ 68.4441, 86.9050,
79.6078

■ 61.1461, 83.3377,
70.4576

■ 55.0313, 80.3643,
62.0878

■ 50.0316, 77.9501,
54.4770

■ 46.0719, 76.0569,
47.6030

■ 43.0671, 74.6411,
41.4421

■ 40.9173, 73.6517,
35.9690

■ 39.4936, 73.0228,
31.1560

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1233, 95.9454, 94.8042



86.8335, 95.9454, 100.3289



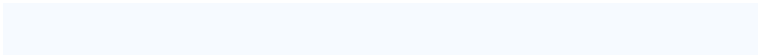
86.6993, 95.9454, 107.2038

Triad

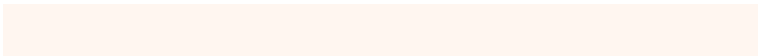
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8335, 95.9454, 100.3289



92.1435, 95.9454, 118.1102



94.7219, 95.9454, 95.8256

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



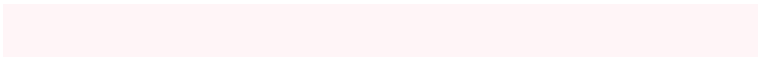
86.8335, 95.9454, 100.3289



87.8705, 87.9058, 99.5250

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.8399, 95.9454, 101.7796



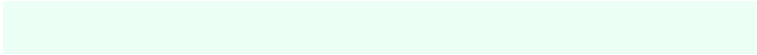
86.8335, 95.9454, 100.3289



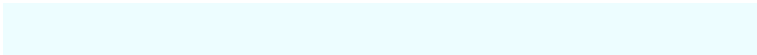
94.3336, 95.9454, 114.7677

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



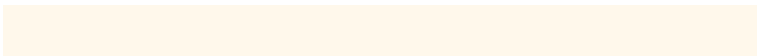
86.8335, 95.9454, 100.3289



89.7362, 95.9454, 117.6794



95.6965, 95.9454, 108.7199



92.6659, 95.9454, 92.2848

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



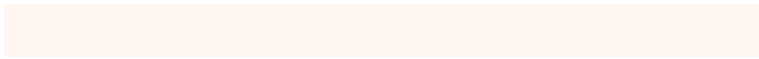
86.8335, 95.9454, 100.3289



87.2802, 95.9454, 111.6516



95.6965, 95.9454, 108.7199



95.2215, 95.9454, 97.5998

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



86.8344, 95.9459, 100.3304



92.7693, 98.8739, 106.5533



88.9537, 97.1933, 93.4301



19.8804, 21.1749, 22.8315



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8344, 95.9459, 100.3304



85.2208, 95.1505, 98.6066



88.3009, 96.5325, 108.0528



18.1298, 20.3115, 20.9867



20.5565, 38.1192, 16.0818



2.0562, 3.7334, 1.8540

Inverse Universe

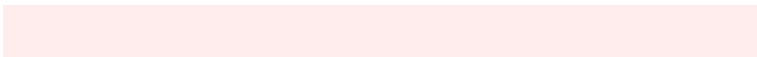
The Inverse Universe completely reimagines the original color for something new.



87.8705, 87.9058, 99.5250



86.4593, 85.5408, 97.6439



86.4688, 87.3451, 92.1434



18.4088, 18.1468, 20.7698



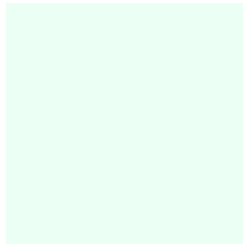
23.8806, 12.0415, 13.2876



2.3804, 1.1945, 1.5847

Previews

White Background



This preview shows how the XYZ color 86.8335, 95.9454, 100.3289 looks on a white background.

Color Contrast Check

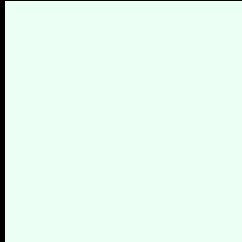
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 86.8335, 95.9454, 100.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

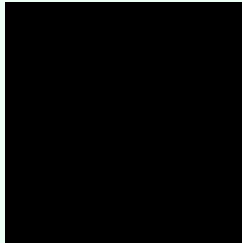
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

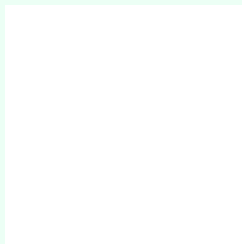
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.8335, 95.9454, 100.3289

Background



This preview shows how black text looks on a background with the XYZ color 86.8335, 95.9454, 100.3289.



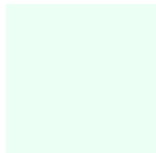
This preview shows how white text looks on a background with the XYZ color 86.8335, 95.9454,

100.3289.

Color Blindness Simulation

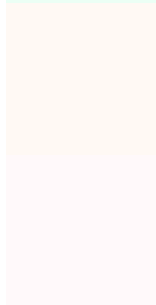
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

86.8335, 95.9454, 100.3289



Protanopia

91.4448, 95.5430, 99.2099

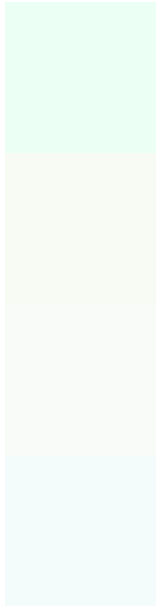
Deuteranopia

92.3710, 95.9135, 104.0872

Tritanopia

90.9470, 95.5477, 108.2569

Trichromacy



Original Color

86.8335, 95.9454, 100.3289

Protanomaly

89.5377, 95.4825, 99.2988

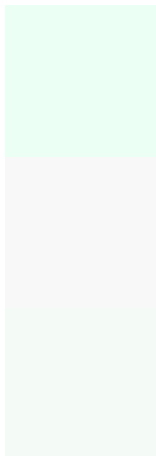
Deuteranomaly

90.1519, 95.7281, 102.5328

Tritanomaly

89.5312, 95.8189, 105.0429

Monochromacy



Original Color

86.8335, 95.9454, 100.3289

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.5939, 94.9429, 101.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.8335, 95.9454, 100.3289 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(236, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 245)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 86.8335, 95.9454, 100.3289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 255, 245) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 255, 245) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 86.8335, 95.9454, 100.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 245) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
255, 245) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor